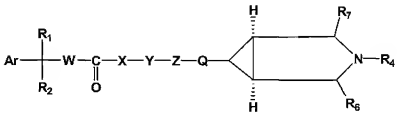
1. (Currently Amended): A compound having the structure of Formula I:



FORMULA - I

and its pharmaceutically acceptable salts, pharmaceutically acceptable ~~solvates, esters,~~ enantiomers, diastereomers, or N-oxides, ~~polymorphs, prodrugs, metabolites,~~wherein

Ar represents an aryl or a heteroaryl ring having 1-2 hetero atoms selected from the group consisting of oxygen, sulphur and nitrogen atoms, the aryl or heteroaryl rings may be unsubstituted or substituted by one to three substituents independently selected from lower alkyl (C_1-C_4), lower perhalo alkyl (C_1-C_4), cyano, hydroxy, nitro, lower alkoxy (C_1-C_4), lower perhalo alkoxy (C_1-C_4), unsubstituted amino, N-lower alkyl (C_1-C_4) amino or N-lower alkyl(C_1-C_4) amino carbonyl;

R_1 represents a hydrogen, hydroxy, hydroxy methyl, amino, alkoxy , carbamoyl or halogen (e.g. fluorine, chlorine, bromine and iodine);

R_2 represents alkyl, C_3-C_7 cycloalkyl ring, a C_3-C_7 cyclo alkenyl ring, an aryl or a heteroaryl ring having 1 to 2 hetero atoms selected from a group consisting of oxygen, sulphur and nitrogen atoms; the aryl or a heteroaryl ring may be unsubstituted or substituted by one to three substituents independently selected from lower alkyl (C_1-C_4), lower perhalo alkyl (C_1-C_4), cyano, hydroxy, nitro, lower alkoxycarbonyl, halogen, lower alkoxy (C_1-C_4), lower perhalo alkoxy (C_1-C_4), unsubstituted amino, N-lower alkylamino (C_1-C_4), N-lower alkylamino carbonyl (C_1-C_4);

W represents $(CH_2)_p$, where p represents 0 to 1;

X represents an oxygen, sulphur, nitrogen or no atom;

Y represents CHR_5CO wherein R_5 represents hydrogen or methyl or $(CH_2)q$ wherein q represents 0 to 4;

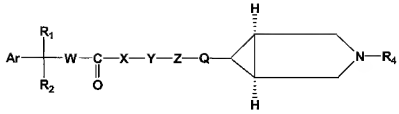
Z represents oxygen, sulphur, NR_{10}, wherein R_{10} represents hydrogen, $C_{1\text{-}6}$ alkyl;

Q represents $(CH_2)_n$ wherein n represents 0 to 4, or CHR_8 wherein R_8 represents H, OH, $C_{1\text{-}6}$, alkyl, alkenyl alkoxy or CH_2CHR_9 wherein R_9 represents H, OH , lower alkyl (C_1-C_4) or lower alkoxy (C_1-C_4);

R_6 and R_7 are independently selected from COOH, H, CH_3, $CONH_2$, NH_2, CH_2NH_2;

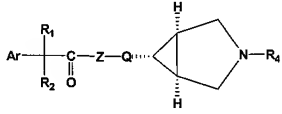
R_4 represents C_1-C_{15} saturated or unsaturated aliphatic hydrocarbon groups in which any 1 to 6 hydrogen atoms may be substituted with the group independently selected from halogen, arylalkyl, arylalkenyl, heteroarylalkyl or heteroarylalkenyl having 1 to 2 hetero atoms selected from a group consisting of nitrogen, oxygen and sulphur atoms with option that any 1 to 3 hydrogen atoms on the ring in said arylalkyl, arylalkenyl, hetero arylalkenyl group may be substituted with lower alkyl(C_1-C_4), lower perhalo alkyl (C_1-C_4), cyano, hydroxyl, nitro, lower alkoxycarbonyl, halogen, lower alkoxy (C_1-C_4), lower perhaloalkoxy (C_1-C_4), unsubstituted amino, N-lower alkyl(C_1-C_4) amino, N-lower alkyl (C_1-C_4)amino carbonyl.

2. (Currently Amended): The compound according to claim 1 having the structure of Formula II (Formula I when R_6 and R_7 = H) and its pharmaceutically acceptable salts, pharmaceutically acceptable ~~solvates, esters,~~ enantiomers, diastereomers, or N-oxides, ~~polymorphs, prodrugs, metabolites,~~ wherein Ar, R_1, R_2, W, X, Y, Z, Q and R_4 are as defined for Formula I.

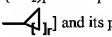


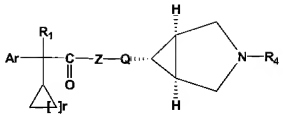
FORMULA - II

3. (Currently Amended): The compound according to claim 1 having the structure of Formula III (Formula I wherein W is $(CH_2)p$ where p = 0, X is no atom and Y is $(CH_2)q$ where q=0, R_6 = H, R_7 = H) and R_2 its pharmaceutically acceptable salts, pharmaceutically acceptable ~~solvates, esters,~~ enantiomers, diastereomers, or N-oxides, ~~polymorphs, prodrugs, metabolites,~~ wherein Ar, R_1, R_2, Z, Q and R_4 are as defined for Formula I.



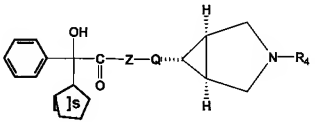
FORMULA – III

4. (Currently Amended): The compound according to claim 1 having the structure of Formula IV [Formula I wherein W is $(CH_2)p$ where p = 0, X is no atom and Y is $(CH_2)q$ where q=0, R_6 = H, R_7 = H and R_2 =  and its pharmaceutically acceptable salts, pharmaceutically acceptable ~~solvates, esters,~~ enantiomers, diastereomers, or N-oxides, ~~polymorphs, prodrugs, metabolites,~~ wherein Ar, R_1, Z, Q and R_4 are as defined for Formula I, and r is 1 to 4.



Formula IV

5. (Currently Amended) The compound according to claim 1 having the structure of Formula V (Formula-I wherein W is $(CH_2)p$ where p = 0, X is no atom and Y is $(CH_2)q$ where q=0, R_6 = H, R_7 = H, R_2 =  , R_1 is hydroxy, Ar is phenyl), and its pharmaceutically acceptable salts, esters, enantiomers, or N-oxides, ~~prodrugs or metabolites;~~ wherein R_4 , Z and Q are the same as defined for Formula I, and s represents 1 to 2.



Formula V

6. (Currently Amended) A compound selected ~~form~~ from the group consisting of:

(1α,5α,6α)-N-[3-benzyl-3-azabicyclo[3.1.0]hexyl-6-(aminomethyl)-yl]-2-hydroxy-2,2-diphenyl acetamide (Compound No. 1);

(1α,5α,6α)-N-[3-benzyl-3-azabicyclo[3.1.0]hexyl-6-(aminomethyl)-yl]-2-hydroxy-2-cyclohexyl-2-phenyl acetamide (Compound No. 2);

(1α,5α,6α)-N-[3-benzyl-3-azabicyclo[3.1.0]hexyl-6-(aminomethyl)-yl]-2-hydroxy-2-cyclopentyl-2-phenyl acetamide (Compound No. 3);

(1α,5α,6α)-[3-benzyl-3-azabicyclo[3.1.0]hexyl-6-(methyl)-yl]-2-hydroxy-2,2-diphenyl acetate; (Compound No. 4);

(1α,5α,6α)-[3-benzyl-3-azabicyclo[3.1.0]hexyl-6-(methyl)-yl]-2-hydroxy-2-cyclohexyl-2-phenyl acetate; (Compound No. 5);

(1α,5α,6α)-[3-benzyl-3-azabicyclo[3.1.0]hexyl-6-(methyl)-yl]-2-hydroxy-2-cyclopentyl-2-phenyl acetate; (Compound No. 6);

(1α,5α,6α)-[3-(2-(2,3-dihydrobenzofuran-5-yl)ethyl)-3-azabicyclo[3.1.0]hexyl-6-(methyl)-yl]-2-hydroxy-2-cyclohexyl-2-phenyl acetate; (Compound No. 7);

(1α,5α,6α)-[3-(2-(2,3-dihydrobenzofuran-5-yl)ethyl)-3-azabicyclo[3.1.0]hexyl-6-(methyl)-yl]-2-hydroxy-2-cyclopentyl-2-phenyl acetate; (Compound No. 8);

(1α,5α,6α)-N-[3-(2-(2,3-dihydrobenzofuran-5-yl)ethyl)-3-azabicyclo[3.1.0]hexyl-6-(aminomethyl)-yl]-2-hydroxy-2-cyclohexyl-2-phenyl acetamide; (Compound No. 9);

(1α,5α,6α)-N-[3-(2-(2,3-dihydrobenzofuran-5-yl)ethyl)-3-azabicyclo[3.1.0]hexyl-6-(aminomethyl)-yl]-2-hydroxy-2-cyclopentyl-2-phenyl acetamide; (Compound No. 10);

(1α,5α,6α)-[3-(2-(3,4-methylenedioxyphenyl)ethyl)-3-azabicyclo[3.1.0]hexyl-6-(methyl)-yl]-2-hydroxy-2-cyclopentyl-2-phenyl acetate; (Compound No. 11);

(1α,5α,6α)-[3-(2-(3,4-methylenedioxyphenyl)ethyl)-3-azabicyclo[3.1.0]hexyl-6-(methyl)-yl]-2-hydroxy-2-cyclohexyl-2-phenyl acetate; (Compound No. 12);

(1α,5α,6α)-N-[3-(2-(3,4-methylenedioxyphenyl)ethyl)-3-azabicyclo[3.1.0]hexyl-6-(aminomethyl)-yl]-2-hydroxy-2-cyclopentyl-2-phenyl acetamide; (Compound No. 13);

(1α,5α,6α)-N-[3-(2-(3,4-methylenedioxyphenyl)ethyl)-3-azabicyclo[3.1.0]hexyl-6-(aminomethyl)-yl]-2-hydroxy-2-cyclohexyl-2-phenyl acetamide; (Compound No. 14);

(1α,5α,6α)-N-[3-(4-methyl-3-pentenyl)-3-azabicyclo[3.1.0]hexyl-6-(aminomethyl)-yl]-2-hydroxy-2-cyclohexyl-2-phenyl acetamide; (Compound No. 15);

(1α,5α,6α)-N-[3-(4-methyl-3-pentenyl)-3-azabicyclo[3.1.0]hexyl-6-(aminomethyl)-yl]-2-hydroxy-2-cyclopentyl-2-phenyl acetamide; (Compound No. 16);

(1α,5α,6α)-[3-(4-methyl-3-pentenyl)-3-azabicyclo[3.1.0]hexyl-6-(methyl)-yl]-2-hydroxy-2-cyclohexyl-2-phenyl acetate; (Compound No. 17);

(1α,5α,6α)-[3-(4-methyl-3-pentenyl)-3-azabicyclo[3.1.0]hexyl-6-(methyl)-yl]-2-hydroxy-2-cyclopentyl-2-phenyl acetate; (Compound No. 18);

(1α,5α,6α)-[3-(1-phenylethyl)-3-azabicyclo[3.1.0]hexyl-6-(methyl)-yl]-2-hydroxy-2-cyclopentyl-2-phenyl acetate; (Compound No. 19);

(1α,5α,6α)-[3-(1-phenylethyl)-3-azabicyclo[3.1.0]hexyl-6-(methyl)-yl]-2-hydroxy-2-cyclohexyl-2-phenyl acetate; (Compound No. 20);

(1α,5α,6α)-N-[3-(1-phenylethyl)-3-azabicyclo[3.1.0]hexyl-6-(aminomethyl)-yl]-2-hydroxy-2-cyclohexyl-2-phenyl acetamide; (Compound No. 21);

(1α,5α,6α)-N-[3-(1-phenylethyl)-3-azabicyclo[3.1.0]hexyl-6-(aminomethyl)-yl]-2-hydroxy-2-cyclopentyl-2-phenyl acetamide; (Compound No. 22);

(1α,5α,6α)-N-[3-benzyl-3-azabicyclo[3.1.0]hexyl-6-(1-aminoethyl)-yl]-2-hydroxy-2,2-diphenyl acetamide; (Compound No. 23);

(1α,5α,6α)-N-[3-benzyl-3-azabicyclo[3.1.0]hexyl-6-(1-aminoethyl)-yl]-2-hydroxy-2-cyclohexyl-2-phenyl acetamide; (Compound No. 24);

(1α,5α,6α)-N-[3-benzyl-3-azabicyclo[3.1.0]hexyl-6-(1-aminoethyl)-yl]-2-hydroxy-2-cyclopentyl-2-phenyl acetamide; (Compound No. 25);

(1α,5α,6α)-[3-(3-methyl-2-butenyl)-3-azabicyclo[3.1.0]hexyl-6-(methyl)-yl]-2-hydroxy-2-cyclohexyl-2-phenyl acetate; (Compound No. 26);

(1α,5α,6α)-[3-(3-methyl-2-butenyl)-3-azabicyclo[3.1.0]hexyl-6-(methyl)-yl]-2-hydroxy-2-cyclopentyl-2-phenyl acetate; (Compound No. 27);

(2R)-(+)- (1α,5α,6α)-N-[3-benzyl-3-azabicyclo[3.1.0]hexyl-6-(aminomethyl)-yl]-2-hydroxy-2-cyclohexyl-2-phenyl acetamide; (Compound No. 28);

(2R)-(+)- (1α,5α,6α)-N-[3-benzyl-3-azabicyclo[3.1.0]hexyl-6-(aminomethyl)-yl]-2-hydroxy-2-cyclopentyl-2-phenyl acetamide; (Compound No. 29);

(2R) (+)-(1α,5α,6α)-[3-benzyl-3-azabicyclo[3.1.0]hexyl-6-(methyl)-yl]-2-hydroxy-2-cyclohexyl-2-phenyl acetate, (Compound No. 30);

(2R) (+)-(1α,5α,6α)-[3-benzyl-3-azabicyclo[3.1.0]hexyl-6-(methyl)-yl]-2-hydroxy-2-cyclopentyl-2-phenyl acetate, (Compound No. 31);

(2S)-(-)- (1α,5α,6α)-N-[3-benzyl-3-azabicyclo[3.1.0]hexyl-6-(aminomethyl)-yl]-2-hydroxy-2-cyclopentyl-2-phenyl acetamide, (Compound No. 32);

(2S)-(-)-(1α,5α,6α)-[3-benzyl-3-azabicyclo[3.1.0]hexyl-6-(methyl)-yl]-2-hydroxy-2-cyclopentyl-2-phenyl acetate, (Compound No. 33);

(1α,5α,6α)-N-[3-benzyl-3-azabicyclo[3.1.0]hexyl-6-(aminomethyl)-yl]-2-hydroxy-2-cyclopentyl-2-phenyl acetamide L-(+)-tartrate salt, (Compound No. 34);

(2S)-(-)- (1α,5α,6α)-N-[3-benzyl-3-azabicyclo[3.1.0]hexyl-6-(aminomethyl)-yl]-2-hydroxy-2-cyclopentyl-2-phenyl acetamide. L-(+)-tartrate salt, (Compound No. 35);

(2R)-(+)- (1α,5α,6α)-N-[3-benzyl-3-azabicyclo[3.1.0]hexyl-6-(aminomethyl)-yl]-2-hydroxy-2-cyclopentyl-2-phenyl acetamide. L-(+)-tartrate salt, (Compound No. 36);

(1α,5α,6α)-N-[3-benzyl-3-azabicyclo[3.1.0]hexyl-6-(aminomethyl)-yl]-2-hydroxy-2-cyclobutyl-2-phenyl acetamide, (Compound No. 37);

(1α,5α,6α)-N-[3-benzyl-3-azabicyclo[3.1.0]hexyl-6-(aminomethyl)-yl]-2-hydroxy-2-cyclopropyl-2-phenyl acetamide, (Compound No. 38);

(1α,5α,6α)-N-[3-(3-methyl-2-butenyl)-3-azabicyclo[3.1.0]hexyl-6-(aminomethyl)-yl]-2-hydroxy-2-cyclohexyl-2-phenyl acetamide, (Compound No. 39);

(1α,5α,6α)-[3-(3,4- methylenedioxyphenyl)methyl-3-azabicyclo[3.1.0]hexyl-6-(methyl)-yl]-2-hydroxy-2-cyclopentyl-2-phenyl acetate, (Compound No. 40);

(1α,5α,6α)-[3-(2-(3,4-methylenedioxyphenyl)ethyl)-3-azabicyclo[3.1.0]hexyl-6-(methyl)-yl]-2-hydroxy-2-cyclopentyl-2-phenyl acetate. L-(+)-tartrate salt, (Compound No. 41);

(1α,5α,6α)-[3-benzyl-3-azabicyclo[3.1.0]hexyl-6-(methyl)-yl]-2-hydroxy-2,2 diphenyl acetate L(+)-tartrate salt, (Compound No. 42);

(1α,5α,6α)- [3-benzyl-3-azabicyclo[3.1.0]hexyl-6-(methyl)-yl]-2-hydroxy-2-cyclohexyl-2-phenyl acetate L(+)-tartrate salt; (Compound No. 43);

(1α,5α,6α)-[3-benzyl-3-azabicyclo[3.1.0]hexyl-6-(methyl)-yl]-2-hydroxy-2-cyclopentyl-2-phenyl acetate L(+)-tartrate salt; (Compound No. 44);

(1α,5α,6α)-N-[3-(3-pyridylmethyl)-3-azabicyclo[3.1.0]hexyl-6-(aminomethyl)-yl]-2-hydroxy-2-cyclohexyl-2-phenyl acetamide (Compound No. 45);

(1α,5α,6α)-N-[3-(4-pyridylmethyl)-3-azabicyclo[3.1.0]hexyl-6-(aminomethyl)-yl]-2-hydroxy-2-cyclohexyl-2-phenyl acetamide (Compound No. 46);

(1α,5α,6α)-N-[3-(2-pyridylmethyl)-3-azabicyclo[3.1.0]hexyl-6-(aminomethyl)-yl]-2-hydroxy-2-cyclohexyl-2-phenyl acetamide (Compound No. 47);

(1α,5α,6α)-N-[3-(4-pyridylmethyl)-3-azabicyclo[3.1.0]hexyl-6-(aminomethyl)-yl]-2-hydroxy-2-cyclopentyl-2-phenyl acetamide (Compound No. 48);

(1α,5α,6α)-N-[3-(3-pyridylmethyl)-3-azabicyclo[3.1.0]hexyl-6-(aminomethyl)-yl]-2-hydroxy-2,2-diphenyl acetamide (Compound No. 49);

(1α,5α,6α)-N-[3-(4-pyridylmethyl)-3-azabicyclo[3.1.0]hexyl-6-(aminomethyl)-yl]-2-hydroxy-2,2-diphenyl acetamide (Compound No. 50);

(1α,5α,6α)-N-[3-(2-pyridylmethyl)-3-azabicyclo[3.1.0]hexyl-6-(aminomethyl)-yl]-2-hydroxy-2,2-diphenyl acetamide (Compound No. 51);

(1α,5α,6α)-N-[3-(2-pyridylmethyl)-3-azabicyclo[3.1.0]hexyl-6-(aminomethyl)-yl]-2-hydroxy-2-cyclopentyl-2-phenyl acetamide (Compound No. 52);

(1α,5α,6α)-N-[3-(3-pyridylmethyl)-3-azabicyclo[3.1.0]hexyl-6-(aminomethyl)-yl]-2-hydroxy-2-cyclopentyl-2-phenyl acetamide (Compound No. 53);

(1α,5α,6α)-N-[3-(3-methyl-2-butenyl)-3-azabicyclo[3.1.0]hexyl-6-(aminomethyl)-yl]-2-hydroxy-2-cyclopentyl-2-phenyl acetamide (Compound No. 54);

(1α,5α,6α)-N-[3-(3,4-methylenedioxyphenyl)methyl-3-azabicyclo[3.1.0]hexyl-6-(aminomethyl)-yl]-2-hydroxy-2-cyclopentyl-2-phenyl acetamide (Compound No. 55);

(1α,5α,6α)-N-[3-(3,4-methylenedioxyphenyl)methyl-3-azabicyclo[3.1.0]hexyl-6-(aminomethyl)-yl]-2-hydroxy-2-cyclohexyl-2-phenyl acetamide (Compound No. 56);

(1α,5α,6α)-[3-(4-methyl-3-pentenyl)-3-azabicyclo[3.1.0]hexyl-6-(methyl)-yl]-2-hydroxy-2-cyclohexyl-2-phenyl acetate L(+) tartrate salt (Compound No. 57);

(1α,5α,6α)-[3-(2-(3,4-methylenedioxyphenyl)ethyl)-3-azabicyclo[3.1.0]hexyl-6-(methyl)-yl]-2-hydroxy-2-cyclohexyl-2-phenyl acetate. L(+) tartrate salt (Compound No. 58);

(1α,5α,6α)-[3-(1-phenylethyl)-3-azabicyclo[3.1.0]hexyl-6-(methyl)-yl]-2-hydroxy-2-cyclopentyl-2-phenyl acetate. L(+) tartrate salt (Compound No. 59);

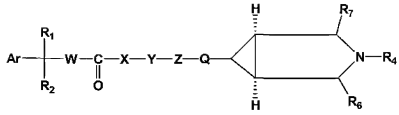
(1α,5α,6α)-N-[3-benzyl-3-azabicyclo [3.1.0]-hexyl-6-(aminomethyl)-yl]-2-hydroxy-2-cyclopentyl-2-phenyl acetamide .hydrochloride salt (Compound No. 60);

(1α,5α,6α)-N-[3-benzyl-3-azabicyclo [3.1.0]-hexyl-6-(aminomethyl)-yl]-2-hydroxy-2-cyclopentyl-2-phenyl acetamide . L(-) malic acid salt (Compound No. 61); and

(1α,5α,6α)-N-[3-benzyl-3-azabicyclo [3.1.0]-hexyl-6-(aminomethyl)-yl]-2-hydroxy-2-cyclopentyl-2-phenyl acetamide. maleate salt (Compound No. 62).

7. (Original): A pharmaceutical composition comprising a therapeutically effective amount of a compound as defined in claim 1, 2, 3, 4, 5 or 6 together with pharmaceutically acceptable carriers, excipients or diluents.

8. (Currently Amended): A method for treatment ~~or prophylaxis~~ of an animal or a human suffering from a disease or disorder of the respiratory, urinary and gastrointestinal systems, wherein the disease or disorder is ~~mediated through muscarinic receptors~~ urinary incontinence, lower urinary tract symptoms (LUTS), bronchial asthma, chronic obstructive pulmonary disorders (COPD), pulmonary fibrosis, irritable bowel syndrome, obesity, diabetes or gastrointestinal hyperkinesis, comprising administering to said animal or human, a therapeutically effective amount of a compound having the structure of Formula I,



Formula I

or its pharmaceutically acceptable salts, pharmaceutically acceptable ~~solvates, esters,~~ enantiomers, diastereomers, N-oxides, ~~polymorphs, prodrugs or metabolites,~~ wherein:

Ar represents an aryl or a heteroaryl ring having 1-2 hetero atoms selected from the group consisting of oxygen, sulphur and nitrogen atoms, the aryl or heteroaryl rings may be unsubstituted or substituted by one to three substituents independently selected from lower alkyl (C_1-C_4), lower perhalo alkyl (C_1-C_4), cyano, hydroxy, nitro, lower alkoxy (C_1-C_4), lower perhalo alkoxy (C_1-C_4), unsubstituted amino, N-lower alkyl (C_1-C_4) amino or N-lower alkyl (C_1-C_4) amino carbonyl;

R_1 represents a hydrogen, hydroxy, hydroxy methyl, amino, alkoxy , carbamoyl or halogen (e.g. fluorine, chlorine, bromine and iodine);

R_2 represents alkyl, C_3-C_7 cycloalkyl ring, a C_3-C_7 cyclo alkenyl ring, an aryl or a heteroaryl ring having 1 to 2 hetero atoms selected from a group consisting of oxygen, sulphur and nitrogen atoms; the aryl or a heteroaryl ring may be unsubstituted or substituted by one to three substituents independently selected from lower alkyl (C_1-C_4), lower perhalo alkyl (C_1-C_4), cyano, hydroxy, nitro, lower alkoxycarbonyl, halogen, lower alkoxy (C_1-C_4), lower perhalo alkoxy (C_1-C_4), unsubstituted amino, N-lower alkyl(C_1-C_4)amino, N-lower alkyl(C_1-C_4)amino carbonyl;

W represents $(CH_2)_p$, where p represents 0 to 1;

X represents an oxygen, sulphur, nitrogen or no atom;

Y represents CHR_5CO wherein R_5 represents hydrogen or methyl or $(CH_2)q$ wherein q represents 0 to 4;

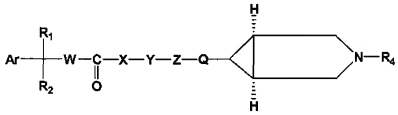
Z represents oxygen, sulphur, NR_{10}, wherein R_{10} represents hydrogen, C_{1-6} alkyl;

Q represents $(CH_2)_n$ wherein n represents 0 to 4, or CHR_8 wherein R_8 represents H, OH, C_{1-6}, alkyl, alkenyl alkoxy or CH_2CHR_9 wherein R_9 represents H, OH , lower alkyl (C_1-C_4) or lower alkoxy (C_1-C_4);

R_6 and R_7 are indepedently selected from COOH, H, CH_3, $CONH_2$, NH_2, CH_2NH_2;

R_4 represents C_1-C_{15} saturated or unsaturated aliphatic hydrocarbon groups in which any 1 to 6 hydrogen atoms may be substituted with the group independently selected from halogen, arylalkyl, arylalkenyl, heteroarylalkyl or heteroarylalkenyl having 1 to 2 hetero atoms selected from a group consisting of nitrogen, oxygen and sulphur atoms with option that any 1 to 3 hydrogen atoms on the ring in said arylalkyl, arylalkenyl, hetero arylalkenyl group may be substituted with lower alkyl(C_1-C_4), lower perhalo alkyl (C_1-C_4), cyano, hydroxyl, nitro, lower alkoxycarbonyl, halogen, lower alkoxy (C_1-C_4), lower perhaloalkoxy (C_1-C_4), unsubstituted amino, N-lower alkyl (C_1-C_4) amino, N-lower alkyl (C_1-C_4) amino carbonyl.

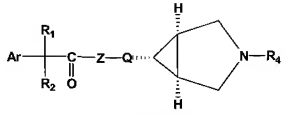
9. (Currently Amended): The method according to claim 8 for treatment ~~or prophylaxis~~ of an animal or a human suffering from a disease or disorder of the respiratory, urinary and gastrointestinal systems, wherein the disease or disorder is ~~mediated through muscarinic receptors~~, urinary incontinence, lower urinary tract symptoms (LUTS), bronchial asthma, chronic obstructive pulmonary disorders (COPD), pulmonary fibrosis, irritable bowel syndrome, obesity, diabetes or gastrointestinal hyperkinesis, comprising administering to said animal or human, a therapeutically effective amount of a compound having the structure of Formula II (Formula I when R_6 and R_7 = H), its pharmaceutically acceptable salts, pharmaceutically acceptable ~~solvates, esters,~~ enantiomers, diastereomers, N-oxides, ~~polymorphs, prodrugs or metabolites,~~ wherein Ar, R_1, R_2, W, X, Y, Z, Q and R_4 are as defined for Formula I.



Formula II

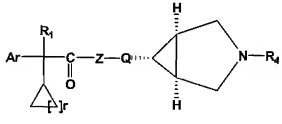
10. (Currently Amended): The method according to claim 8 for treatment ~~or prophylaxis~~ of an animal or a human suffering from a disease or disorder of the respiratory, urinary and gastrointestinal systems, wherein the disease or disorder is ~~mediated through muscarinic receptors~~ urinary incontinence, lower urinary tract symptoms (LUTS), bronchial asthma, chronic obstructive pulmonary disorders (COPD), pulmonary fibrosis, irritable bowel syndrome, obesity, diabetes or gastrointestinal hyperkinesis, comprising administering to said animal or human, a therapeutically effective amount of a compound having the structure of Formula III [Formula I wherein W is $(CH_2)p$ where p = 0, X is no atom and Y is $(CH_2)q$ where q=0, R_6 = H, R_7 = H] and its pharmaceutically acceptable salts, pharmaceutically acceptable ~~solvates, esters,~~ enantiomers, diastereomers, N-oxides,

~~polymorphs, prodrugs or metabolites,~~ wherein Ar, R_1, R_2, Z, Q and R_4 are as defined for Formula I.



Formula III

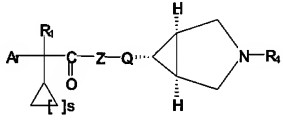
11. (Currently Amended): The method according to claim 8 for treatment ~~or prophylaxis~~ of an animal or a human suffering from a disease or disorder of the respiratory, urinary and gastrointestinal systems, wherein the disease or disorder is ~~mediated through muscarinic receptors~~ urinary incontinence, lower urinary tract symptoms (LUTS), bronchial asthma, chronic obstructive pulmonary disorders (COPD), pulmonary fibrosis, irritable bowel syndrome, obesity, diabetes or gastrointestinal hyperkinesis, comprising administering to the said animal or human, a therapeutically effective amount of a compound having the structure of Formula IV (Formula I wherein W is $(CH_2)p$ where p=0, X is no atom and Y is $(CH_2)q$ where q=0, R_6 = H, R_7 = H and R_2 = ) and its pharmaceutically acceptable salts, pharmaceutically acceptable ~~solvates, esters,~~ enantiomers, diastereomers, N-oxides, ~~polymorphs, prodrugs or metabolites,~~ wherein Ar, R_1, Z, Q and R_4 are as defined for Formula I, and r is 1 to 4.



Formula IV

12. (Currently Amended): The method according to claim 8 for treatment ~~or prophylaxis~~ of an animal or a human suffering from a disease or disorder of the respiratory, urinary and gastrointestinal systems, wherein the disease or disorder is ~~mediated through muscarinic~~

~~receptors~~ urinary incontinence, lower urinary tract symptoms (LUTS), bronchial asthma, chronic obstructive pulmonary disorders (COPD), pulmonary fibrosis, irritable bowel syndrome, obesity, diabetes or gastrointestinal hyperkinesis, comprising administering to said animal or human, a therapeutically effective amount of a compound having the structure of Formula V (Formula-I wherein W is $(CH_2)p$ where p = 0, X is no atom and Y is $(CH_2)q$ where q=0, R_6 = H, R_7 = H, R_2 =  , R_1 is hydroxy, Ar is phenyl), its pharmaceutically acceptable salts, pharmaceutically acceptable ~~solvates, esters,~~ enantiomers, diastereomers, N-oxides, ~~polymorphs, prodrugs or metabolites,~~ wherein R_4, Z and Q are the same as defined for Formula I, and s represents 1 to 2.



Formula V

13. (Cancelled)

14. (Cancelled)

15. (Cancelled)

16. (Cancelled)

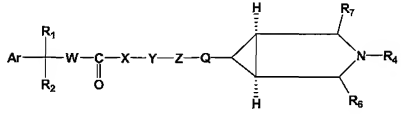
17. (Cancelled)

18. (Currently Amended): The method for treatment or prophylaxis of an animal or a human suffering from a disease or disorder of the respiratory, urinary and gastroinstestinal systems, wherein the disease or disorder is ~~mediated through muscarinic receptors,~~ urinary incontinence, lower urinary tract symptoms (LUTS), bronchial asthma, chronic obstructive pulmonary disorders (COPD), pulmonary fibrosis, irritable bowel syndrome, obesity, diabetes or gastrointestinal hyperkinesis, comprising administering to said animal

or human, a therapeutically effective amount of the pharmaceutical composition according to claim 7.

19. (Cancelled)

20. (Currently Amended): A process of preparing a compound of Formula I,



Formula I

and its pharmaceutically acceptable salts, pharmaceutically acceptable ~~solvates, esters,~~ enantiomers, diastereomers, N-oxides, ~~polymorphs, prodrugs or metabolites,~~ wherein

Ar represents an aryl or a heteroaryl ring having 1-2 hetero atoms selected from the group consisting of oxygen, sulphur and nitrogen atoms, the aryl or heteroaryl rings may be unsubstituted or substituted by one to three substituents independently selected from lower alkyl (C_1-C_4), lower perhalo alkyl (C_1-C_4), cyano, hydroxy, nitro, lower alkoxy (C_1-C_4), lower perhalo alkoxy (C_1-C_4), unsubstituted amino, N-lower alkyl (C_1-C_4) amino or N-lower alkyl(C_1-C_4) amino carbonyl;

R_1 represents a hydrogen, hydroxy, hydroxy methyl, amino, alkoxy , carbamoyl or halogen (e.g. fluorine, chlorine, bromine and iodine);

R_2 represents alkyl, C_3-C_7 cycloalkyl ring, a C_3-C_7 cyclo alkenyl ring, an aryl or a heteroaryl ring having 1 to 2 hetero atoms selected from a group consisting of oxygen, sulphur and nitrogen atoms; the aryl or a heteroaryl ring may be unsubstituted or substituted by one to three substituents independently selected from lower alkyl (C_1-C_4), lower perhalo alkyl (C_1-C_4), cyano, hydroxy, nitro, lower alkoxycarbonyl, halogen, lower

alkoxy (C_1-C_4), lower perhalo alkoxy (C_1-C_4), unsubstituted amino, N-lower alkyl(C_1-C_4)amino, N-lower alkyl(C_1-C_4)amino carbonyl;

W represents $(CH_2)_p$, where p represents 0 to 1;

X represents an oxygen, sulphur, nitrogen or no atom;

Y represents CHR_5CO wherein R_5 represents hydrogen or methyl or $(CH_2)q$ wherein q represents 0 to 4;

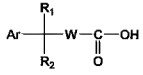
Z represents oxygen, sulphur, NR_{10}, wherein R_{10} represents hydrogen, C_{1-6} alkyl;

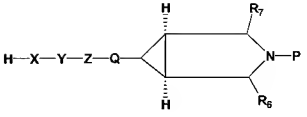
Q represents $(CH_2)_n$ wherein n represents 0 to 4, or CHR_8 wherein R_8 represents H, OH, C_{1-6}, alkyl, alkenyl alkoxy or CH_2CHR_9 wherein R_9 represents H, OH , lower alkyl (C_1-C_4) or lower alkoxy (C_1-C_4);

R_6 and R_7 are independently selected from COOH, H, CH_3, $CONH_2$, NH_2, CH_2NH_2;

R_4 represents C_1-C_{15} saturated or unsaturated aliphatic hydrocarbon groups in which any 1 to 6 hydrogen atoms may be substituted with the group independently selected from halogen, arylalkyl, arylalkenyl, heteroarylalkyl or heteroarylalkenyl having 1 to 2 hetero atoms selected from a group consisting of nitrogen, oxygen and sulphur atoms with option that any 1 to 3 hydrogen atoms on the ring in said arylalkyl, arylalkenyl, hetero arylalkenyl group may be substituted with lower alkyl(C_1-C_4), lower perhalo alkyl (C_1-C_4), cyano, hydroxyl, nitro, lower alkoxycarbonyl, halogen, lower alkoxy (C_1-C_4), lower perhaloalkoxy (C_1-C_4), unsubstituted amino, N-lower alkyl(C_1-C_4) amino, N-lower alkyl (C_1-C_4)amino carbonyl, comprising

(a) condensing a compound of Formula-VII with a compound of Formula VI

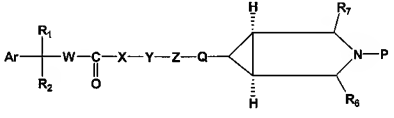




Formula VII

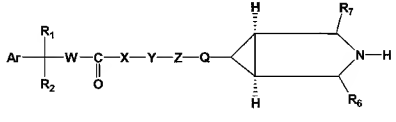
Formula VI

wherein Ar, R_1, R_2, W, X, Y, Z, Q, R_6, and R_7 have the same meanings as defined earlier for Formula I, to give a protected compound of Formula VIII wherein Ar, R_1, R_2, W , X, Y, Z, Q, are the same as defined earlier and P is a protecting group for an amino group



Formula VIII

(b) deprotecting the compound of Formula VIII in the presence of a deprotecting agent to give an unprotected intermediate of Formula IX wherein Ar, R_1, R_2, W , X, Y, Z, and Q are the same as defined earlier,



Formula IX

(c) the intermediate of Formula IX is N-alkylated or benzylated with a suitable

alkylating or benzylating agent to give a compound of Formula I wherein Ar, R_1, R_2, W, X, Y, Z, Q, R_6 and R_7 are the same as defined earlier.

21. (Original): The process according to claim 20 wherein P is any protecting group for an amino group and is selected from the group consisting of benzyl and t-butyloxy carbonyl groups.

22. (Original): The process according to claim 20 wherein the reaction of a compound of Formula VI with a compound of Formula VII to give a compound of Formula VIII is carried out in the presence of a condensing agent which is selected from the group consisting of 1-(3-dimethyl amino propyl)-3-ethyl carbodiimide hydrochloride (EDC) and 1,8-diazabicyclo [5.4.0]undec-7-ene (DBU).

23. (Original): The process according to claim 20 wherein the reaction of a compound of Formula VI with a compound of Formula VII to give a compound of Formula VIII is carried out in a suitable polar aprotic solvent selected from the group consisting of N,N-dimethylformamide, dimethyl sulfoxide, toluene, and xylene.

24. (Original): The process according to claim 20 wherein the reaction of compound of Formula VI with a compound of Formula VII is carried out at 0-140°C.

25. (Original): The process according to claim 20 wherein the deprotection of a compound of Formula VIII to give a compound of Formula IX is carried out with a deprotecting agent which is selected from the group consisting of palladium on carbon, trifluoroacetic acid (TFA) and hydrochloric acid

26. (Original): The process according to claim 20 wherein the deprotection of a compound of Formula VIII to give a compound of Formula IX is carried out in a suitable organic solvent selected from the group consisting of methanol, ethanol, tetrahydrofuran and acetonitrile.

27. (Original): The process according to claim 20 wherein the N-alkylation or benzylation of a compound of Formula IX to give a compound of Formula I is carried out with a suitable alkylating or benzylating agent, L-R_4 wherein L is any leaving group and R_4 is the same as defined earlier.

28. (Original): The process according to claim 26 wherein the leaving group is selected from the group consisting of halogen, O-mestyl and O-tosyl groups.

29. (Original): The process according to claim 26 wherein the N-alkylation or benzylation of a compound of Formula IX to give a compound of Formula I is carried out in a suitable organic solvent selected from the group consisting of N,N-dimethylformamide, dimethyl sulfoxide, tetrahydrofuran and acetonitrile.